

**ABSTRACT**

A polyphase filter (320) includes first (340) and second (360) filter sections and a buffer section (350). The first filter section (340) has an input for receiving signals representative of at least two phases of an input signal, and an output for providing signals representative of at least two phases of a filtered signal, and has a first passband response. The buffer section (350) has an input coupled to the output of the first filter section (340), and an output. The second filter section (360) has an input coupled to the output of the buffer (350), and an output for providing an output of the polyphase filter (320), and has a second passband response. The first (340) and second (360) filter sections are configured such that the second passband response compensates for the first passband response.